

WHAT IS CLAIMED IS:

1. A bottle cork opener, comprising
a handle unit including a hollow handle part, and a securing part
5 secured on an upper end of the handle part;
an air pump including:
 - (1) a hollow main body having a limiting portion secured on an
upper end thereof, and a stopping part secured on a lower end thereof;
 - (2) an outlet needle secured on the stopping part of the lower end
10 of the hollow main body;
 - (3) a piston rod passed through the upper end limiting portion, and
displaceable relative to the hollow main body; the piston rod being
securely connected to the securing part of the handle unit;a first fitting unit including:
 - 15 (1) a hollow containing part having a limiting part, which is
secured on an upper end, and which has a through hole; the hollow main
body of the air pump being passed through the through hole, and
displaceable relative to the hollow containing part; the limiting portion
of the air pump being positioned above the upper end of the first fitting
20 unit; the limiting portion of the air pump being formed with such a size
that it will be stopped by the limiting part of the first fitting unit; the
limiting part of the first fitting unit being capable of preventing the
stopping part of the lower end of the air pump main body from moving

outside the first fitting unit through it; the hollow containing part having a stopping portion on an inward side of a lower end thereof for stopping the stopping part of the lower end of the hollow main body of the air pump with; the stopping portion having a through hole for allowing the
5 outlet needle of the air pump to be passed through;

(2) a displacement portion extended from a lower end of the hollow containing part; the displacement portion being formed with a plurality of spaced guide gaps;

a second fitting unit having a hollow containing portion; the
10 displacement portion of the first fitting unit being passed through an upper end of the hollow containing portion; the hollow containing portion having a plurality of position-limiting blocks projecting from the upper end thereof and respectively movably held in the guide gaps of the displacement portion;

15 whereby a cork of a bottle can be removed from the bottle by means of moving the handle unit up and down after the outlet needle has been inserted through the cork to communicate with inside of the bottle.

2. The bottle cork opener as claimed in claim 1, wherein the air pump is made in such a way as to be capable of pumping air through the
20 outlet needle in forward movement as well and rearward movement of the piston rod thereof.

3. The bottle cork opener as claimed in claim 1, wherein the guide gaps of the displacement of the first fitting unit have upper end portions

than lower end portions thereof, and the position-limiting blocks of the second fitting unit are confined in the upper end portions of the second fitting unit such that the first and the second fitting units are displaceable relative to each other without possibility of falling apart.

5 4. The bottle cork opener as claimed in claim 1, wherein the position-limiting blocks of the second fitting unit are secured to the hollow containing portion.

 5. The bottle cork opener as claimed in claim 1, wherein the second fitting unit is formed with a plurality of guide rails on an inner
10 side thereof, which are respectively held in the guide gaps of the first fitting unit.

 6. The bottle cork opener as claimed in claim 1, wherein the first fitting unit is formed with a position-limiting protrusion on an outer side of a lower end thereof, and the second fitting unit is formed with a
15 stopping protrusion on an inner side near the upper end thereof for stopping the position-limiting protrusion of the first fitting unit with.